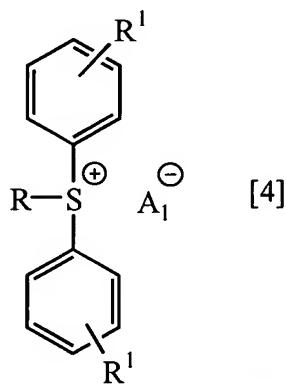


IN THE ABSTRACT OF THE DISCLOSURE:

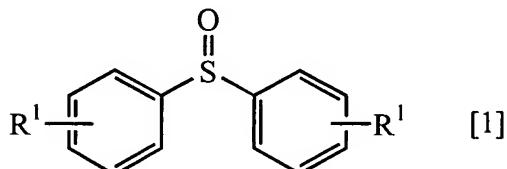
~~An object of the present invention is to provide a method for effectively producing a triarylsulfonium salt having a structure that only one aromatic ring of three aromatic rings on the cation portion thereof is different from the other two aromatic rings (hereinafter, abbreviated as a triarylsulfonium salt relating to the present invention) in a high yield without forming any byproduct. The present invention relates to a A method for producing a triarylsulfonium salt represented by the general formula [4]:~~



~~wherein, two R<sup>+</sup>'s represent each R<sup>1</sup> represents hydrogen [[atom]], halogen [[atom]], alkyl [[group]], haloalkyl group having 1 to 4 carbon atoms, alkoxy [[group]], acyl [[group]], hydroxyl [[group]], amino [[group]], nitro [[group]] or cyano [[group]]; R represents an aryl [[group]] which may have a substituent selected from a halogen atom, an alkyl group, a haloalkyl group having 1 to~~

~~4 carbon atoms, an alkoxy group, an alkylthio group, a N-alkylcarbamoyl group and a carbamoyl group, and the above substituent is~~ different from one represented by ~~the above~~  $R^1$ ; and  $A^1$  represents a strong acid residue,

comprising reacting a diaryl sulfoxide represented by ~~the general~~ formula [1]:



wherein,  $R^1$  represents the same as above,

and an aryl Grignard reagent represented by ~~the general~~ formula [2]:

$RMgX$  [2]

wherein,  $X$  represents a halogen [[atom]];  $R$  represents the same as above,

in the presence of an activator with high affinity for oxygen of 3 to 7.5 equivalents relative to the above diaryl sulfoxide, and then reacting the resultant reaction mixture with a strong acid represented by ~~the general~~ formula [3]:

$HA_1$  [3]

wherein,  $A^1$  represents the same as above,

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PRELIMINARY AMENDMENT

**PATENT**

— or a salt thereof.